

ABSTRACT

A cascadable optical amplifier arrangement having a modular base amplifier arrangement (BVA) that is constructed in single-mode technology and has at least one amplifier stage (VS1 to VS4). At least one high-power amplifier stage (HVS1) that
5 has its own active fiber (AF) and at least one pump signal source (PSQ1, PSQ2) is connected to the at least one amplifier stage (VS4) of said base amplifier arrangement (BVA). In this way, a stepwise increase of the output power of an already existing base amplifier arrangement (BVA) can be achieved.